



Contribution ID: 191

Type: **Parallel Talk**

Data-driven determination of the light-quark connected component of the intermediate-window contribution to $g_\mu - 2$.

Tuesday, August 1, 2023 3:10 PM (20 minutes)

We provide estimates for the light-quark-connected component of the RBC/UKQCD intermediate-window-hadronic contribution to the muon anomalous magnetic moment. We find significant tensions between our data-driven result,

$a_\mu^{W1,rmq} = 198.8(1.1) \times 10^{-10}$, and recent lattice computations.

Topical area

Structure of Hadrons and Nuclei

Primary authors: KESHAVARZI, Alexander (University of Manchester); Prof. BOITO, Diogo (University of Sao Paulo); BENTON, Genessa (San Francisco State University); GOLTERMAN, Maarten (San Francisco State University); MALTMAN, Kim (York University); PERIS, Santiago (San Francisco State University and Univ. Autònoma de Barcelona)

Presenter: GOLTERMAN, Maarten (San Francisco State University)

Session Classification: Quark and Lepton Flavor Physics